



Attorney Docket No. 051252-5200
Application S.N. 09/410,584

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of:

Mehmet Zeki ALYANAK

Application No.: 09/410,584

Filed: October 1, 1999

For: APPARATUS AND METHOD FOR CHANGING
THE DYNAMIC RESPONSE OF AN
ELECTROMAGNETICALLY OPERATED
ACTUATOR

Group Art Unit: 2832

Examiner: R. Barrera

Commissioner for Patents
Washington, D.C. 20231

**AMENDMENT AND REQUEST FOR
RECONSIDERATION UNDER 37 C.F.R. § 1.111**

Sir:

In response to the non-final Office Action mailed on **June 6, 2001**, the period for replying extending through September 6, 2001, please amend the above-identified application as follows:

IN THE CLAIMS:

Please amend claims 1, 21, 22, 28 and 32 as follows:

1. (Amended) An apparatus, comprising:

- an armature having at least one groove formed on an exterior surface thereof;
- a sleeve extending along an axis, the armature being disposed for movement in a first direction and a second direction opposite the first direction along the axis in the sleeve;
- an electromagnetic coil operative to cause movement of the armature along the longitudinal axis as a response to energization of the electromagnetic coil;
- a spring member disposed in the at least one groove in the armature and in sliding contact with the sleeve, wherein the spring member exerts a radially outwardly directed spring force against the sleeve that slows the response of the movement of the armature along the axis in the first and second directions when the electromagnetic coil is energized.